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DESCRIPTORS: *Combustion, Flames, Gases,
Temperature, Measurement, Xenon lamps, Optical
analysis, Plasma physics, *High temperature re-
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TT-64-12231

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Nederl. v. 34, p. 78-93.

DESCRIPTORS: *Propanes, *Chlorides, Pyrolysis,
*Catalysis, Catalysts, Zinc compounds, Barium com-
pounds, Aluminum compounds, Copper catalysts,
Chemical equilibrium.

(Chemistry--Organic, TT, v. 11, no. 3)

1. Title: Heptachloro
propaneI. Boschen, J.
II. Scheer, J. van der
III. Voogt, J. G. de

Office of Technical Services

Lange, M. P. W. de.
 THE FORMATION OF PHENOL BY THE ACTION OF
 SODIUM METHYLATE ON THE HIGHER CHLORO-
 BENZENES. [1963] (4)p. 4 refs.
 Order from SLA \$1.10 63-18246

Trans. of Rec(ueil des) Trav(aux) Chim(iques des
 Pays-Bas) (Netherlands) 1919, v. 38, p. 101-105.

DESCRIPTORS: *Phenols, Synthesis (Chemistry),
 Sodium compounds, *Alkyl radicals, *Benzenes,
 *Chlorides.

(Chemistry--Organic, TT, v. 10, no. 12)

63-18246

1. Title: Phenyl halides
2. Title: Sodium methylate
1. Lange, M. P. W. de

Office of Technical Services

Action of Sodium Hypochlorite on Anides of Acids.
II, by I. J. Rinkas, 5 pp.

~~FRENCH, no par, ^{XIX} ~~Revue~~ des Travaux Chimiques des~~
~~Russ-Pag, Vol. 1950, pp 706-710, (Only~~
~~pages 706-710 translated.)~~

MIN Tr No 12-12

Sci - Chemistry
Feb 1957 CRB/dex

48,588

Hydrogen Reduction of Halogens, by
H. Parravo, C. Mazzetti
FRENCH, per, Recueil Trav. Chim.
Pays-Bas et de la Belgique, Vol 42,
1923, pp 821.
*BISI 4410

Sci/MQM
Sep 65

The Compound HuS_2 and its Structure, by W. F. Jong,
A. Hoog, 7 pp.

FRENCH, per, Rec Trav Chim des Pays-Bas, Vol XLVI,
1927, pp 175-176.

SIA 2842

Sci Chemistry
Feb 58

59,516

NCH-200 479

Field TC

Boesehen, J.; Adler, A. A.
THE REACTION OF ACETYLENE WITH BENZENE IN THE
PRESENCE OF ALUMINUM CHLORIDE. May 65, 14p.
13refs. TC-703.
Order from TC: HC\$14.00 as TC-703

Trans. of Recueil des Travaux Chimiques des Pays-Bas
(Netherlands) v49 p473-85 1929.

I. Boesehen, J.
II. Adler, A. A.
III. TC-703
IV. Trans-Chem,
Knoxville, Tenn.

Gillet, A. and others.
CONTRIBUTION TO THE STUDY OF THE
PYROLYSIS OF VEGETABLE ORGANIC MINERALS.
[1962] 25p.
Order from K-H \$31.25 K-H 5876 b

Trans. of Recueil des Travaux Chimiques [des Pays-
Bas et de la Belgique] (Netherlands) [1961] v. 50, no.
12, p. 239-256.

DESCRIPTORS: Pyrolysis. *Vegetables. *Organic
materials, Minerals.

(Chemistry--Organic TT, v. 10, no. 8)

62-22401

I. Gillet, A.
II. K-H-5876 b
III. Kresge-Hooker
Science Library
Associates Detroit,
Mich.

Office of Technical Services

The Diffusion of Mo in W, by J. A. M. Van Liempt.
GERMAN, per, Revue Trav Chim des Pays-Bas, No 51,
1932, pp 11A-132.
*NBS TT 70-57412

Sci-Mat
Aug 70

The Vapor Pressure of Metals and Their Rate of
Volatilization in Vacuum, by J. A. M. Van Liempt,
5 pp.

FRENCH, PER, Recueil des Travaux Chim des Pays
Bas, Vol LIV, 15 Nov 1935, pp 870-872.

SIA Tr 774/1955

Sci - Min/Met

50,199

Jul 57

The Diffusion of H in Cu, by J. H. De Boer.
GERMAN, per, Rec Trav Chim., Vol 54, 1935, PP 970-974.
*NTIS/NBS TT 71-55166
Available NBS Only

June 71

Nauta, W. Th. and Dienstk, J. W.
SOME MESITYLENE DERIVATIVES (FORMING AN
ETHER FROM CHLORIDE AND METHYL ALCOHOL).
[1963] 9p. (refs. omitted).
Order from SLA \$1.10

63-14118

Trans. of Begeel [des] Travaux Chim [rapport des
Pays-Bas] (Netherlands) 1976, v. 55, p. 1000-1006.

DESCRIPTORS: *Methyl radicals, *Benzenes, Ethers,
*Chlorides, *Alcohols, Formaldehyde, Chemical
reactions, Sulfur compounds, *Mesityl radicals,
Electrical conductance, Dioxides.

By the action of formaldehyde and HCl on mesitylene
(1-2 mol formaldehyde to 1 mol mesitylene) one or
two CH₂Cl groups were introduced into the molecule.
In 1-chloro-1,2,4,6-tetramethylbenzene, the chlorine
atom, under the effect of the methyl groups in positions
2,4 and 6 has a heightened reactivity. These methyl
(Chemistry--Organic, FI, v. 10, no. 6) (over)

63-14118

I. Nauta, W. Th.
II. Dienstk, J. W.
III. Title Forming ...

Office of Technical Services

Crystal Structure of Trioxymethylene, by
N. F. Moerman.
FRENCH, per, Recueil des Trav Chim des
Pays-Bas, Vol 56, 1937, pp 161-166.
NLL Ref: 5828.4F (7258)

Sci-Chem
Mar 69

377,496

Reinders, W. and Vries, R. W. P. de.
CONTRIBUTIONS TO THE SILVER NUCLEUS
THEORY OF THE LATENT IMAGE; THE CRITICAL
SIZE OF THE NUCLEUS. [1963] 16p. (figs. omitted)
11 refs.
Order from SLA \$1.60

63-18043

Trans. of Rec[ueil des] Trav[aux] Chimiques des
Pays-Bas [Netherlands] 1937, v. 56, no. 9/10,
p. 985-999.

DESCRIPTORS: *Silver, Nuclei, Theory, Photographic
images, *Photochemistry, Photographic emulsions.

(Chemistry--Physical, TT, v. 10, no. 8)

63-18043

I. Reinders, W.
II. Vries, R. W. P. de

Office of Technical Services

The Addition and Addition Products of Halogens and Benzene Derivatives. XI. The Effect of Chlorine on Benzotrichloride, Benzal Chloride, Benzyl Chloride and Toluene, ~~XXXX~~ by T. van der Linden, 15 pp.

FRENCH, per, Recueil des Travaux Chimiques des Pays-Bas, Vol LVII, 1938, pp 1075-1086.

S.L.A. Tr No 36⁶/1955

Sci - Medicine chemistry
Jan 1957 CTS/dax

44,997

Liebman, L. and Schwenden, F. L. M.
METAL COMPLEXES OF OPTICALLY ACTIVE
AMINO ACIDS. (1963) 15p. 16 refs.
Order from SLA \$1.67 63-14

Trans. of Acad. Sci. Turin (Sci. Torino) 1909, v. 54, p. 411-422.

DESCRIPTORS: *Metalorganic compounds, *Complex compounds, *Amino acids, Glutamic acid, Salt, Aspartic acid, Crystals, *Tolargraphic analysis, *Molecular spectroscopy, Absorption spectrum.

A series of phosphates and aspartates of bivalent metals (Ca, Mg, Co, Ni, Zn, Mn) were prepared and investigated polarographically as well as photochemically. The remarkable solubility properties of these salts depends on hydration-dehydration reactions. No cis-trans isomerisms are demonstrable. The assumption of a total (double) activity, of the salts of divalent heavy metals with optically active amino acids, was not proven. (Auer)

65-14403

1. Liefelütz, L.
II. Schreuder, F. L. M.

(Chemistry--Organic, TT.
v. 10, no. 4)

Office of Technical Services

Backer, H. J., Strating, J., and Kool, C. M. II.
SOME CYCLIC SULFONES FORMED BY THE ADDI-
TION OF SULFURIC ANHYDRIDE TO BUTADIENES.
[1963] 6p. 12 refs.
Order from SLA \$1.10

63-14120

Trans. of Recueil [des] Travaux Chimiques des Pays-
Bas] (Netherlands) 1959, v. 38, p. 773-784.

DESCRIPTORS: *Sulfones, *Sulfur compounds,
*Dioxides, *Butadienes, Chemical reactions

(Chemistry--Organic, TT, v. 10, no. 3)

63-14120

I. Backer, H. J.
II. Strating, J.
III. Kool, C. M. II.

Office of Technical Services

Baeker, H. J., Stevens, W., and Blj, J. R. Van der.
 DIACOLS OF p-METHYL ACETOPHENONE AND
 3,4-DI-p-TOLYLTHIOPHENES SULFON. [1963] 9p.
 (figs. tables omitted) 14 refs.
 Order from SLA \$1.10

63-14121

Trans. of Recueil [des] Travaux Chimiques des Pays-
 Bas] (Netherlands) 1964, v. 89, p. 1141-1155.

DESCRIPTORS: *Methyl radicals, *Ethyl radicals,
 *Glycols, *Acetophenones, *Nitrolyls, *Thiophenes,
 *Sulfones, Crystallography, Reduction (Chemistry),
 Chemical reactions, Temperature, Molecular associa-
 tion, Oxidation, Hydrogenation

Reduction of 1-tolyl methylketone (p-methyl aceto-
 phenone); crystallographic properties of plascol 136-
 137°, reduction with the aid of aluminum and mercuric
 chloride; reduction with cupric (cuprous, copper-
 colored) zinc and acetic acid; preparation of plascols
 (Chemistry--Organic, TT, v. 10, no. 5) (over)

63-14121

I. Baeker, H. J.
 II. Stevens, W.
 III. Blj, J. R. V. der

Office of Technical Services

Gerding, H. and Nijveld, W. J.
POLARIZATION MEASUREMENTS OF RAMAN LINES
IN LIQUID SULFUR TRIOXIDE (Polarisations-
messungen der Ramanlinien des flüssigen Schwefel-
trioxyds). [1961] 19p. 25 refs.
Order from SLA \$1.60

61-20540

Trans. of Recueil des Travaux Chim[iques] d[es]
Pays-Bas (Netherlands) 1960, v. 59, p. 1206-1219.

DESCRIPTORS: Liquids, *Sulfur compounds, *Oxides,
*Raman spectroscopy, Polarization, Measurement,
Polymers.

(Physics--Spectroscopy, TT, v. 7, no. 4)

61-20540

I. Gerding, H.
II. Nijveld, W. J.

Office of Technical Services